

Source	Uncertainty (%)						
	$t\bar{t}+b\bar{b}$	$t\bar{t}+c\bar{c}$	$t\bar{t}+LF$	W+jets	Z+jets	WH (20 GeV)	WH (60 GeV)
Lepton trigger, identification & isolation	2	2	2	2	2	2	2
Lepton energy scale	—	—	—	—	—	—	—
Jet energy scale	0.5	0.5	0.5	2	2	1	1
Jet energy resolution	0.5	0.5	0.5	4	5	1	0.5
Energy scale of unclustered $p_T^{\text{miss}}$	0.5	0.5	0.5	2	2	1	0.8
b quark tagging	6.0	4.0	4.0	4.5	5.0	9	8.5
c quark mistagging	1.5	6.5	—	4.0	2.5	0.3	0.1
Light-flavor mistagging	1.5	1.0	9.0	7.0	9.5	1	0.5
Limited MC statistical precision	1.0	0.5	0.5	4.5	4.5	1	1
Top $p_T$ mismodeling	2.5	1.3	1.5	—	—	—	—
Pileup	0.2	0.8	2.5	4	4	0.5	0.5